

From: [Dawn Ioven](#)
To: [Kelley Chase](#)
Cc: [Richard Fetzer](#); [Lora Werner](#); [Robert Helverson](#); johnson.eric@epa.gov
Subject: Week 2 Analytical Data - Dimock
Date: 03/22/2012 03:32 PM

Hi, Kelley. I reviewed the Validated Summary Reports for the 2nd round of homewell samples in Dimock. My preliminary findings are provided below. I will now begin working on the draft memos for each homewell, and hope to provide these to you by COB tomorrow (3/23). Any questions, please give me a call. Note that tomorrow, I will be working from home Ex. 6 - Personal Privacy

The following locations had no exceedances of triggers: HW09, HW13, HW20, HW28a, HW33a, HW33b, HW42, HW46, and HW52.

HW18: sodium = 45,600 ug/L (HW18), 40,800 ug/L (HW18-F), 37,00 ug/L (HW18-P)
non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW25: methane = 65,000 ug/L
Dep't. of Interior standard for dissolved methane in confined spaces = 28,000 ug/L

sodium = 24,500 ug/L (HW25-P), 24,700 ug/L (HW25-PF)
non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW26: methane = 43,000 ug/L (HW26), 38,000 ug/L (HW26-P)
Dep't. of Interior standard for dissolved methane in confined spaces = 28,000 ug/L

sodium = 27,400 ug/L (HW26, HW26-F, HW26-P)
non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW29: methane = 77,000 ug/L (HW29), 62,000 ug/L (HW29z)
Dep't. of Interior standard for dissolved methane in confined spaces = 28,000 ug/L

lithium = 478 ug/L (HW29), 493 ug/L (HW29-F), 462 ug/L (HW29z), 463 ug/L (HW29z-F)
trigger = 31 ug/L (at HQ of 1)

sodium = 195,000 ug/L (HW29), 201,000 ug/L (HW29-F), 190,000 ug/L (HW29z), 189,000 ug/L (HW29z-F)
non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW32: arsenic = 10.5 ug/L (HW32), 9.7 ug/L (HW32-F), 8.7 ug/L (HW32-P)
trigger = 4.5 ug/L (at 1E-06), MCL = 10 ug/L

HW34a: sodium = 39,600 ug/L (HW34a), 39,700 ug/L (HW34a-F)

non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW35: total coliform bacteria (indicator for fecal coliform) = 34 cfu/100 mL (HW35)

trigger = 0 cfu/100 mL

fecal coliform bacteria = 1 (HW35)

trigger = 0.0001

Not sure of the units here, as they weren't reported by the lab. Also, don't know the origin of the trigger; goal should be 0.

lead = 21.2 ug/L (HW35), 2.4 ug/L (HW35-F)

Action Level = 15 ug/L

sodium = 28,700 ug/L (HW35), non-detect (HW35-F)

non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW39: barium = 3530 ug/L (HW39), 3630 ug/L (HW39-F), 3810 ug/L (HW39-P)

trigger = 2900 ug/L (at HQ of 1)

sodium = 47,400 ug/L (HW39), 47,900 ug/L (HW39-F), 49,300 ug/L (HW39-

P)

non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW40: sodium = 21,700 ug/L (HW40), 21,600 ug/L (HW40-F), 21,200 ug/L (HW40-P)

non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

HW41: sodium = 23,100 ug/L (HW41), 23,600 ug/L (HW41-F), 23,400 ug/L (HW41-P)

non-enforceable drinking water standard for individuals on sodium-restricted diets = 20,000 ug/L

Dawn A. Ioven, toxicologist
U.S. EPA - Region III
(3HS41)
1650 Arch street
Philadelphia, PA 19103
215.814.3320